

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P630262

Luminaire Tested: GWS-SA1D-735-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630262
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-735-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5421.8 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

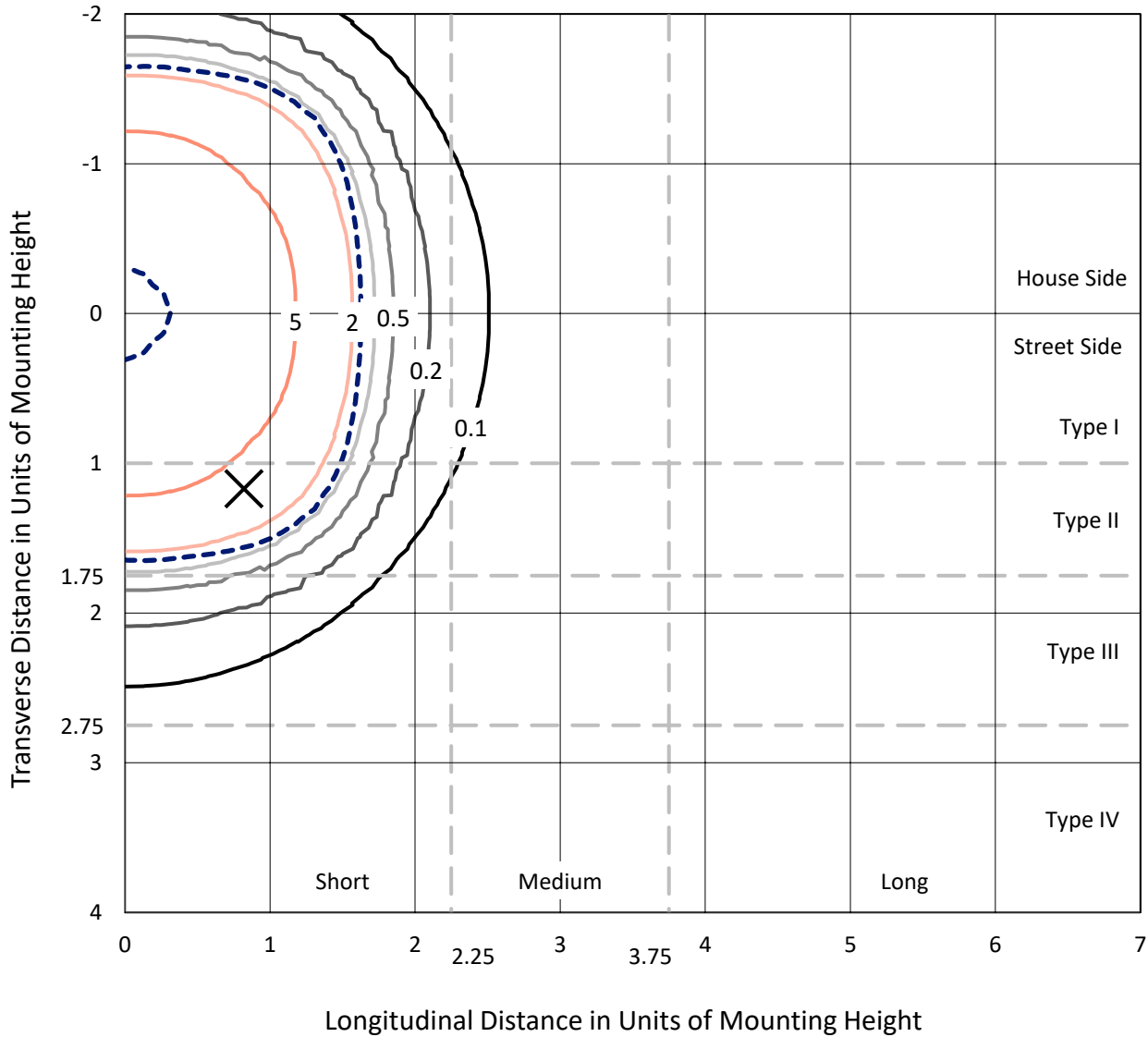
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

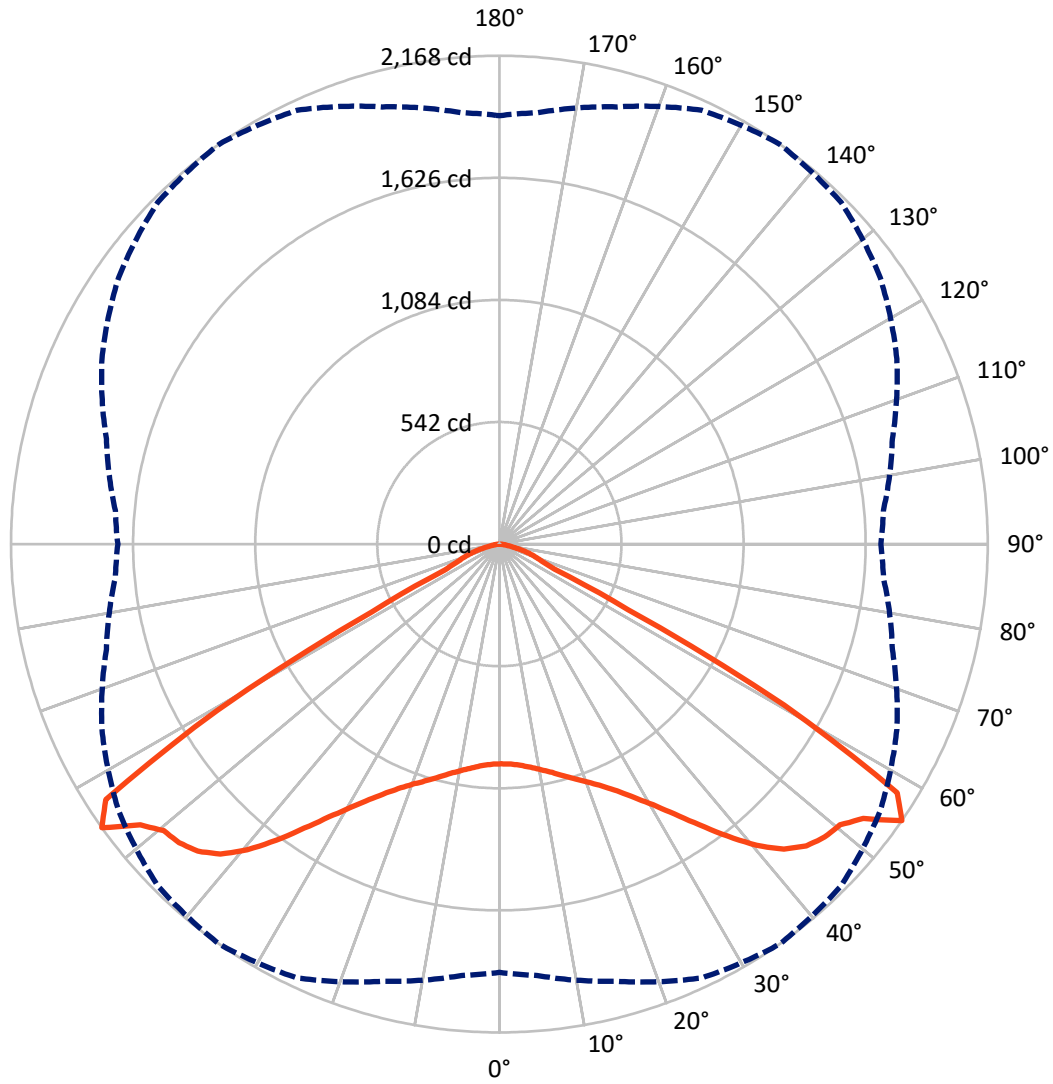
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2710.9	0.0	2710.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2710.9	0.0	2710.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	5421.8	0.0	5421.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.1	1.8
10°-20°	302.9	5.6
20°-30°	560.6	10.3
30°-40°	937.8	17.3
40°-50°	1429.0	26.4
50°-60°	1600.8	29.5
60°-70°	378.8	7.0
70°-80°	102.1	1.9
80°-90°	14.7	0.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5421.8	100.0
0°-180°	5421.8	100.0

Coefficient of Utilization



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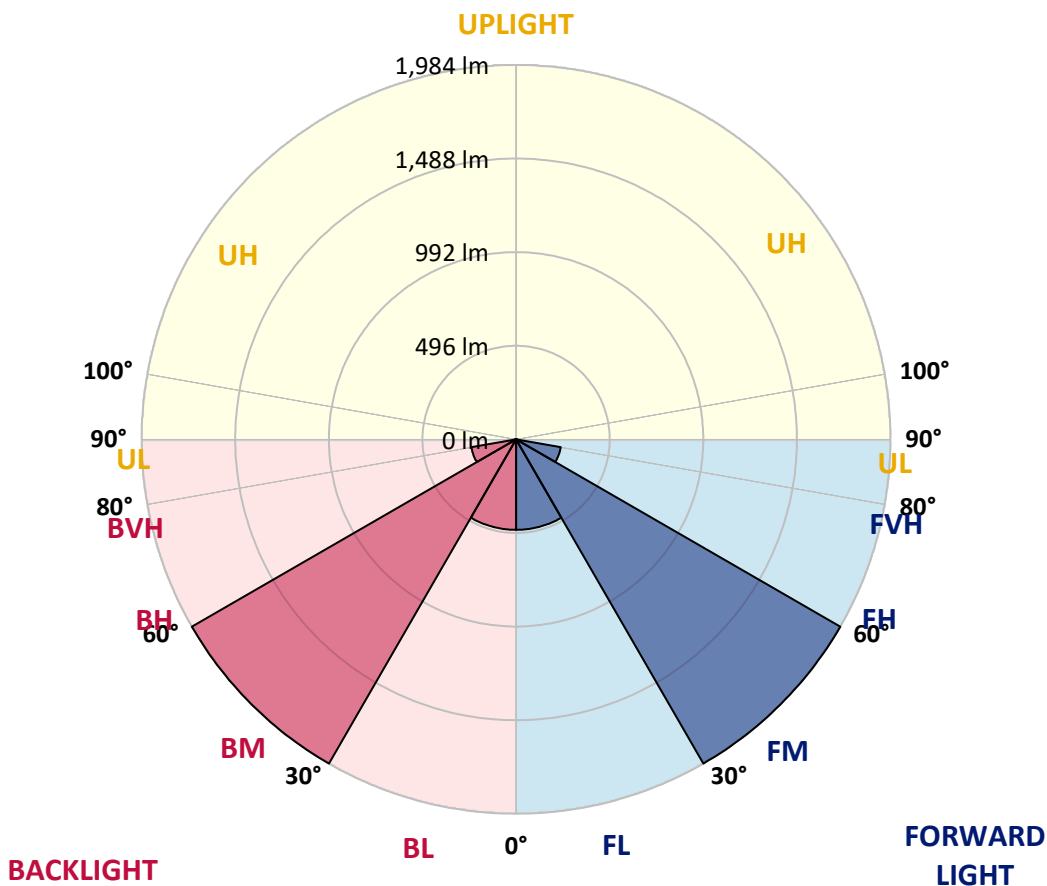
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	479.3	8.8			
FM (30°-60°)	1983.8	36.6			
FH (60°-80°)	240.4	4.4			G0/660
FVH (80°-90°)	7.3	0.1			G0/10
BL (0°-30°)	479.3	8.8	B1/500		
BM (30°-60°)	1983.8	36.6	B2/2500		
BH (60°-80°)	240.4	4.4	B1/500		G0/660
BVH (80°-90°)	7.3	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	975.4	975.4	975.4	975.4	975.4	975.4	975.4	975.4	975.4	975.4	975.4
2.5°	973.3	973.3	975.0	977.1	977.5	981.8	981.0	979.3	978.4	976.7	980.5
5°	984.0	984.4	985.7	987.0	986.1	989.5	988.3	986.1	984.8	982.7	986.5
7.5°	998.1	998.1	999.4	1001.1	1000.3	1005.4	1002.8	999.8	997.7	995.1	998.5
10°	1011.0	1011.8	1013.1	1016.6	1018.3	1023.8	1022.1	1017.8	1014.4	1011.4	1015.3
12.5°	1030.3	1031.1	1032.4	1037.1	1040.1	1045.7	1043.1	1037.1	1032.0	1027.7	1032.0
15°	1055.1	1054.3	1057.7	1063.7	1067.6	1072.7	1069.7	1059.4	1052.6	1047.0	1051.3
17.5°	1080.4	1080.0	1083.4	1091.2	1096.7	1103.6	1098.4	1086.4	1079.2	1072.3	1076.6
20°	1107.9	1109.2	1112.6	1119.9	1128.0	1137.0	1132.7	1119.9	1111.7	1104.0	1107.5
22.5°	1141.7	1142.2	1146.0	1155.5	1166.2	1174.8	1172.2	1156.3	1146.0	1137.9	1142.2
25°	1182.5	1182.1	1187.2	1198.3	1213.4	1221.9	1216.4	1198.8	1187.6	1178.2	1181.6
27.5°	1229.2	1228.8	1236.5	1251.1	1272.5	1284.5	1272.9	1251.1	1235.6	1222.4	1225.4
30°	1288.0	1286.7	1295.2	1315.0	1342.8	1363.0	1345.8	1315.4	1295.2	1281.1	1284.1
32.5°	1353.1	1354.8	1365.6	1392.1	1427.3	1453.4	1427.7	1393.9	1366.8	1346.3	1349.7
35°	1424.7	1424.7	1446.6	1479.6	1529.8	1564.5	1524.6	1475.7	1439.7	1411.4	1412.3
37.5°	1504.5	1505.3	1534.1	1579.5	1645.1	1685.8	1631.8	1571.4	1527.6	1497.2	1495.5
40°	1601.8	1604.4	1633.9	1684.5	1758.3	1795.6	1737.7	1678.5	1633.9	1597.9	1594.5
42.5°	1711.6	1712.4	1743.7	1789.2	1851.3	1873.6	1828.2	1779.7	1743.3	1710.7	1707.3
45°	1816.2	1814.0	1841.0	1874.9	1910.9	1913.1	1887.8	1868.0	1836.3	1808.4	1803.3
47.5°	1897.6	1895.9	1920.4	1938.8	1943.1	1922.1	1930.2	1933.2	1896.3	1858.6	1848.8
50°	1947.4	1950.8	1973.9	1984.2	1958.9	1924.6	1955.5	1947.8	1895.1	1845.8	1829.9
52.5°	1977.4	1982.5	2022.8	2049.0	2022.8	1990.2	1994.5	1949.1	1873.2	1808.0	1787.4
55°	1901.5	1922.1	2009.1	2124.9	2167.7	2145.0	2063.6	1946.5	1805.9	1711.1	1693.5
57.5°	1409.3	1441.9	1570.9	1821.7	2082.4	2165.2	1927.2	1631.8	1418.7	1297.0	1286.7
60°	719.4	755.9	859.2	1116.9	1452.2	1568.8	1342.4	1044.9	830.5	731.9	720.7
62.5°	293.7	299.7	333.6	433.0	641.8	740.4	650.4	456.6	343.0	316.0	316.4
65°	231.1	232.4	230.7	236.7	268.8	298.4	275.7	242.2	236.2	239.2	237.1
67.5°	201.5	201.9	200.7	200.7	201.9	200.7	203.2	204.5	205.4	208.8	206.7
70°	168.5	168.9	168.9	169.8	169.4	167.2	171.1	172.8	173.2	175.4	174.1
72.5°	130.3	131.6	132.5	132.9	132.5	131.2	133.3	136.3	135.9	138.1	135.9
75°	88.3	90.0	90.9	92.6	92.2	92.2	94.8	96.0	94.8	96.5	94.8
77.5°	50.2	51.4	54.0	55.7	57.5	58.7	60.5	61.3	60.9	61.7	60.9
80°	29.2	29.6	31.7	32.6	34.7	36.9	38.6	39.4	39.9	40.3	39.9
82.5°	16.7	17.1	18.0	18.9	20.6	22.3	24.0	25.3	25.3	25.7	25.3
85°	8.1	8.1	8.6	9.0	9.9	11.1	12.4	13.7	14.1	14.1	14.1
87.5°	1.3	1.3	1.7	1.7	2.1	2.6	3.4	4.3	4.7	4.7	4.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)